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The height at 2 P.M. was on the 22d of Aug. 70—Sept. 8rd, 70°—11th, 71—13th and 14th, 70°.

The Wind has been observed 9 times S.W.—6 N.W.—14 S.E.—4 N.E.—3 E.

### CELESTIAL PHENOMENA.

FOR OCTOBER, 1811.

(*Extracted from Friend's Evening Amusements.*)

The state of the tides was mentioned last month, as deserving our attention. On the 3rd of this month a considerable one may be expected.

The Moon is on the meridian, on the 1st at 46 min. past 11. On the 2d is full Moon at 16 min. past 7 in the morning. She rises under the four stars in square, and at 9 is 80° 33 min. from the first of the Eagle. On the 5th she rises under the Pleiades, and is soon followed by the Hyades and Aldebaran, and in her passage through the Hyades, one of them suffers an occultation; this takes place in the morning of the 6th at 12½ min. past one, when the eastern rim of the Moon touches the third of the Bull, the Star being one minute south of the centre; and it emerges at 26 min. and a quarter past two, the Star being 3 min. and a quarter south of the centre. At 56 min. past 3 she passes by the first fourth, and at 23 min. past 4 the second fourth. The rising Sun interrupts our view of her progress by Aldebaran. In the evening she rises between Aldebaran and Jupiter, but nearer to the Star, and her progress from one towards the other, over Orion, will form a pleasing view.

On the 12th she rises with the fourteenth of the Lion, which before rising, is covered by her, for the occultation takes place at half an hour before one, the Star being 4 min. south of the centre; and it emerges at 20 min. past one; the star being 8 min. south of the centre. On the 17th is new Moon at 9 min. after noon. On the 20th the Moon appears again in the south-west, over the second of the Scorpion, and to the east of her, Scorpion and Antares, the latter star being near to the horizon; to the east of her, Saturn and Mars will excite our attention.

On the 27th the Moon is on the meridian at 42 min. past eight, the four small stars in triangle of the Water-pot being above her to the west, and the two western of the four stars in square high above her to the east of the meridian: below her, at a considerable distance, is Fomalhaut. She has lately passed the eleventh of the Water-bearer, the small star at the western border of the stream from the Water-pot, which will suffer this evening an occultation. The eastern rim of the Moon touched her at 22 min. past five, the star being 7 min. and a quarter south of the Moon's center, and it emerges at 22 min. and three quarters past six, the star being 7 min. south of the centre. At nine she is 54° 46 min. from the first of the Ram.

On the 31st is full Moon, at 19 min. past five in the evening; she rises under the three first stars of the Ram, at a considerable distance from them; and, as she ascends the heavens, is perceived to be nearest to Menkar, passing above the small stars in the head of the Whale. At nine she is 27° 27 min. from Aldebaran.

Mercury is a morning star, during the whole of this month, being stationary on the 9th and at his greatest elongation on the 16th; at first he is too near the sun to be visible, for they set nearly at the same time, but on the 16th his duration above the horizon, before sun-rise, is an hour and 40 min. He will appear then to many, for some days before and after that time, as the bright harbinger of day.

First, his motion is of course retrograde; but on the 10th it is direct with a northern latitude of 40 min. The Moon passes him on the 15th.

Venus is in her superior conjunction on the 12th, and travelling the same road, and nearly at the same rate with the sun, she will not be visible during the whole of the month.

Mars is on the meridian at three quarters past five, in the evening of the first, and at 34 min. past five on the 19th. His motion is direct through 22°. The moon passes him on the 24th.

Jupiter is on the meridian at 57 min. past 5 in the morning of the first, and at 55 min. past 4 on the 19th. On the 28th he is stationary, and to that time his motion is direct about a degree. We see him, therefore at first, gradually receding from the 12th of the Twins, and then making very slow approaches towards it. The Moon passes him on the 8th.

Saturn is on the meridian at 54 min past 4 in the afternoon of the first, and at 53 min. past three on the 19th. The opportunity of observing him, therefore, nightly diminishes. His motion is direct, through two degrees, 25 min. towards the middle space, between the two branches of the milky way, between the Scorpion and the Archer. The Moon passes him on the 22nd.

Herschell is only nine degrees above the horizon at sun-set, near to the second thirteenth of the Balance. He will therefore not be an object of much attention. The Moon passes him on the 19th.

The sun's apparent diameter on the 1st is 32 min. two seconds, and on the 19th 32 min. 12 seconds. The Moon's apparent diameter on the 1st is 33 min. 26 seconds. decreasing to the 14th, when it is 29 min. 32 seconds: it then increases to the twenty-ninth.

### ECLIPSES OF JUPITER'S SATELLITES.

1st SATELLITE.				2d SATELLITE.				3d SATELLITE.							
Immersion.				Immersion.											
DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.
1	18	40	58	3	7	24	16	1	1	39	58 Im.				
3	13	15	17	6	20	42	41	1	4	28	10 E.				
5	7	43	40	10	10	0	16	8	5	38	9 Im.				
7	2	12	0	13	23	18	48	8	8	27	18 E.	* 1st	Sat. continued.		
8	20	40	22	17	12	36	24	15	9	36	37 Im.	23	0	27	8
10	15	8	41	21	1	55	2	15	12	26	48 E.	24	18	55	29
12	9	37	4	24	15	12	39	22	13	35	9 Im.	26	13	23	51
14	4	5	23	28	4	31	22	22	16	26	16 E.	28	7	52	11
15	22	33	46	31	17	49	0	29	17	34	34 Im.	30	2	20	33
17	17	2	5					29	20	26	41 E.	31	20	48	53
19	11	30	27												
21	5	58	46												

Look to the right hand\*

### TO CORRESPONDENTS.

We should be willing to gratify G. with the insertion of the character of Cromwell, extracted from Fox's Historical Work, if we did not hope that this excellent work was, as it ought to be, generally known to our readers. To extract from a well known publication, would be to fill our pages, without adding to the information of our readers.

Some poetical favours came too late for insertion in this number. That department had been closed before they came to hand.

### ERRATUM.

Page 227, in the Monthly Retrospect of Politics, 1st col. last line, for *Auto de Fe*, read *Auto da Fè*.